

SYSTEM AND DEVICE FOR MONITORING OF OCCUPANCY AREA**Abstract**

5 The invention concerns a system for monitoring an occupancy area (15.1 - 15.3). The system includes the following elements. A device (10) that is arranged in connection with the monitored party (A - D) which device (10) includes localizing means (12), means of communication (13) for communication in a wireless data
10 communication network (20.1 - 20.3), a processor unit (MCU) and a storage medium (16), wherein at least location information (23 - 25) defining the limit of the said occupancy area (15.1 - 15.3) is arranged, based on which the current status information of the monitored party (A - D) is adapted to be defined. A
15 terminal equipment (22) that is arranged in connection with the monitoring party (21), and a wireless data communication network (20.1 - 20.3) as a means of communication between the said device (10) and the terminal equipment (22). The said location information (23 - 25) defining the occupancy area (15.1 - 15.3)
20 is arranged for definition by the device (10), whose processor unit (MCU) is adapted to define the status information of the monitored party (A - D) at each time based on the current location information defined by the localizing means (12) and on the location information (23 - 25) arranged in the storage
25 medium (16) and defining the limit of the occupancy area (15.1 - 15.3), and wherein, according to a criterion established for the said status information, the device (10) is adapted to transmit to at least one piece of terminal equipment (22) information in a form established by its means of communication (13). The
30 invention relates also to the device (10).